Performance Data Sheet

AJE4492YXA

General Information

Model	AJE4492YXA	**Refrigerant**	R-134a
Test Condition	EN12900 ASERCOM	**Performance Test Voltage**	100V ~ 50HZ
Return Gas	20°C (68°F) RETURN GAS	**Motor Type**	CSIR

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-6.7	Watts (Capacity)	1670	1420	1140	865
	Watts (Power)	603	660	696	710
	Amps	10.3	10.6	10.8	11.0
-5	Watts (Capacity)	1820	1540	1250	960
	Watts (Power)	618	683	727	751
	Amps	10.3	10.8	11.1	11.3
0	Watts (Capacity)	2290	1960	1620	1270
	Watts (Power)	659	745	815	867
	Amps	10.6	11.2	11.8	12.3
5	Watts (Capacity)	2830	2440	2040	1630
	Watts (Power)	696	803	899	980
	Amps	10.8	11.7	12.5	13.2
7.2	Watts (Capacity)	3100	2680	2250	1800
	Watts (Power)	711	828	934	1030
	Amps	10.9	11.9	12.8	13.7
10	Watts (Capacity)	3460	3000	2530	2050
	Watts (Power)	729	858	979	1090
	Amps	11.1	12.2	13.2	14.2
15	Watts (Capacity)	4190	3650	3090	2530
	Watts (Power)	758	909	1060	1200
	Amps	11.3	12.7	13.9	15.1

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	3.088035E+03	3.241722E+02	8.170502E+00	
C2	1.336240E+02	-6.196544E-01	-9.226007E-02	
C3	-2.057906E+01	1.276689E+01	9.250773E-02	

C4	2.083305E+00	-9.218746E-02	-8.898023E-05	
C5	-1.047526E+00	1.653607E-01	4.713551E-03	
C6	-2.493855E-01	-4.457871E-02	-3.959801E-04	
C7	1.009588E-02	5.404311E-04	0.000000E+00	
C8	-1.771289E-02	1.956911E-04	0.000000E+00	
C9	-1.184138E-03	3.794385E-03	0.000000E+00	
C10	1.447358E-03	-2.882423E-04	0.000000E+00	

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature

Performance Data Sheet

AJE4492YXA

General Information

Model	AJE4492YXA	**Refrigerant**	R-134a
Test Condition	EN12900 ASERCOM	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	20°C (68°F) RETURN GAS	**Motor Type**	CSIR

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-6.7	Watts (Capacity)	1940	1680	1300	832
	Watts (Power)	746	814	819	725
	Amps	10.4	10.6	10.6	10.4
-5	Watts (Capacity)	2100	1830	1440	955
	Watts (Power)	769	844	863	787
	Amps	10.6	10.9	10.9	10.8
0	Watts (Capacity)	2610	2310	1880	1340
	Watts (Power)	839	931	982	956
	Amps	11.1	11.6	11.9	11.9
5	Watts (Capacity)	3190	2850	2370	1770
	Watts (Power)	919	1020	1090	1110
	Amps	11.6	12.3	12.8	13.0
7.2	Watts (Capacity)	3470	3110	2600	1970
	Watts (Power)	960	1060	1140	1170
	Amps	11.8	12.7	13.2	13.6
10	Watts (Capacity)	3850	3460	2920	2240
	Watts (Power)	1020	1120	1210	1250
	Amps	12.2	13.1	13.8	14.2
15	Watts (Capacity)	4610	4160	3540	2780
	Watts (Power)	1140	1230	1320	1390
	Amps	12.8	13.9	14.8	15.5

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.366506E+03	6.842346E+02	7.924028E+00	
C2	1.158684E+02	2.707010E+01	-2.377131E-02	
C3	4.273324E+01	-5.315154E+00	1.426768E-01	

C4	2.145493E+00	7.492201E-01	7.709623E-04	
C5	9.496238E-02	-8.968681E-01	4.211151E-03	
C6	-1.315619E+00	5.334187E-01	-1.280259E-03	
C7	1.190617E-02	9.379817E-03	0.000000E+00	
C8	-2.190192E-02	-1.797283E-02	0.000000E+00	
C9	-1.132972E-02	1.627560E-02	0.000000E+00	
C10	5.302619E-03	-6.157773E-03	0.000000E+00	

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature